

## CLAIMS

1. A hearing aid, comprising an amplifier for amplifying an input signal from an input transducer, a plurality of rectifying means for rectifying output signal or input signal of said amplifier, a smoothing capacitor for smoothening direct current rectified by said rectifying means, and an attenuation circuit for attenuating the level of output signal of said amplifier when DC voltage smoothed by the smoothing capacitor exceeds a certain fixed level.

2. The hearing aid according to claim 1, wherein:  
said attenuation circuit comprises a first transistor, which turns on when DC voltage smoothed by said smoothing capacitor exceeds a certain fixed level and draws the input signal of the amplifier; and there is provided a charging circuit for charging said smoothing capacitor when power turns on.

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3. The hearing aid according to claim 2, wherein:  
there is provided a second transistor to add bias to base of said first transistor; and  
said first transistor and said second transistor have the same characteristics.